

20011211.qrp v02_n402.qrl.20011211

Date: Tue, 11 Dec 2001 19:03:09 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2402

QRP-L Digest 2402

Topics covered in this issue include:

- 1) [114465] RIGS sold
by "T.W." <wb5qyt@abq.com>
- 2) [114466] NE5114 Op Amp replacement
by "Craig Johnson" <cbjohns@mn.mediaone.net>
- 3) [114467] NE5114 Should be NE5514
by "Craig Johnson" <cbjohns@mn.mediaone.net>
- 4) [114468] Re: Altoids tin dimensions?
by "Rob Matherly" <kc0bom@arrl.net>
- 5) [114469] 3D2AG/P easy QRP DX
by Bob Nielsen <nielsen@oz.net>
- 6) [114470] WI Update
by "Trevor Jacobs" <fxtech@earthlink.net>
- 7) [114471] New Article on Transverter Interfacing to HF rigs
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 8) [114472] Correction - 'Transverter'
by Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
- 9) [114473] Spark Transmission Approved
by "David Bixler" <qrp@netins.net>
- 10) [114474] Re: Spark Transmission Approved
by "Rod N0RC" <rod@n0rc.com>
- 11) [114475] Re: Correction - 'Transverter'
by "Jim Stamper" <jstamper@shentel.net>
- 12) [114476] Equipment Sale
by Bob Welch <p326@earthlink.net>
- 13) [114477] Re: Correction - 'Transverter'
by David Hinerman <wd8civ@worldnet.att.net>
- 14) [114478] Re: Correction - 'Transverter'
by "Trevor Jacobs" <fxtech@earthlink.net>
- 15) [114479] Re: Spark Transmission Approved
by "David Porter" <aa3ur@home.com>
- 16) [114480] Need More Output
by putska@juno.com
- 17) [114481] Re: NE5114 Op Amp replacement
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 18) [114482] 80 was great from the hotel tonight!!! (longish)
by "Trevor Jacobs" <fxtech@earthlink.net>
- 19) [114483] Re: Spark Transmission Approved

- by Pete Burbank <plburbank@kih.net>
- 20) [114484] (no subject)
by FIVEWATTS@aol.com
- 21) [114485] Re: Any VLF beacon operators?
by Don <dwittlic@APCI.net>
- 22) [114486] RE: 3D2AG/P easy QRP DX
by K1epj@aol.com
- 23) [114487] Re: Spark Transmission Approved
by "Brice D. Hornback" <bdh@cyberbound.net>
- 24) [114488] Re: Spark Transmission Approved
by "Rod N0RC" <rod@n0rc.com>
- 25) [114489] MI QRP Net Tonight 9:00 PM Eastern Time 3.535 MHz
by "Kwik, Ed " <ed.kwik@delphiauto.com>
- 26) [114490] Re: Spark Transmission Approved
by "Rod N0RC" <rod@n0rc.com>
- 27) [114491] Confirmed Spark Transmission Schedule
by "David Bixler" <qrp@netins.net>
- 28) [114492] PSK31 for Linux
by neil tanner <wa4chq@qsl.net>
- 29) [114493] Stuff For Sale
by Ed Kessler <edkess@pa.net>
- 30) [114494] Re: Confirmed Spark Transmission Schedule
by "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
- 31) [114495] RE: 80 osc/tx
by "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
- 32) [114496] Stuff For Sale
by Ed Kessler <edkess@pa.net>
- 33) [114497] Re: New Article on Transceter Interfacing to HF rigs
by "Lau, Zack, W1VT" <z1au@arrl.org>
- 34) [114498] Re: Confirmed Spark Transmission Schedule
by "David Bixler" <qrp@netins.net>
- 35) [114499] Spark Gap
by Kenneth Hoglund <hoglund@wfu.edu>
- 36) [114500] The 40m QRP transceiver in an old HR magazine (maybe)
by Nils R Young <nilsbull@juno.com>
- 37) [114501] Re: The 40m QRP transceiver in an old HR magazine (maybe)
by Bruce Muscolino <w6toy@erols.com>
- 38) [114502] RE: 80 osc/tx
by David Hinerman <WD8CIV@worldnet.att.net>
- 39) [114503] Re: SWR Question
by Bill Coleman <aa4lr@arrl.net>
- 40) [114504] Re: 80 was great from the hotel tonight!!! (longish)
by NB6M@aol.com
- 41) [114505] Re: MI QRP Net Tonight 9:00 PM Eastern Time 3.535 MHz
by NB6M@aol.com
- 42) [114506] Re: SWR Question
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 43) [114507] RE: The 40m QRP transceiver in an old HR magazine (maybe)

- by "Pat Byers" <pbyers@rttinc.com>
- 44) [114508] Build the 2N2 40 meter radio!
by "Karl F. Larsen" <k5di@zianet.com>
- 45) [114509] Equipment for sale
by Bob Welch <p326@earthlink.net>
- 46) [114510] Re: SWR Question
by <n7dma@mindspring.com>
- 47) [114511] Reminder: AGOT, Your 12/11 Cub Fox
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 48) [114512] Re: SWR Question
by Chris Cartwright <ccart@phideaux.com>
- 49) [114513] Re: Spark Gap
by Doug <doug@ycsi.net>
- 50) [114514] Re: SWR Question
by Bill Coleman <aa4lr@arrl.net>
- 51) [114515] My TS120V problem
by "John Fletcher" <johnf@innotts.co.uk>
- 52) [114516] Re: The REAL virus
by Bill Coleman <aa4lr@arrl.net>
- 53) [114517] WANTED - SIERRA MODULES
by W2BJ <w2bj@minsky.info>
- 54) [114518] Re: The 40m QRP transceiver in an old HR magazine (maybe)
by Bruce Muscolino <w6toy@erols.com>
- 55) [114519] Dream Catcher antenna
by Steven Weber <kd1jv@moose.ncia.net>
- 56) [114520] Re: FINAL PRICE REDUCTION!! MFJ QRP Rigs
by NV9Z@aol.com
- 57) [114521] Re: Vintage QRP
by Bill Coleman <aa4lr@arrl.net>
- 58) [114522] 3C24 Glowbug rig
by "Rex Harper" <w1rex@megalink.net>
- 59) [114523] Thursday Night Fox:VE3FAL
by Fred Lesnick <flesnick@tbaytel.net>
- 60) [114524] RE: Vintage QRP
by Bill Coleman <aa4lr@arrl.net>
- 61) [114525]
by "Tom Pennebaker" <n4rs@netpath-rc.net>
- 62) [114526] Re: 3C24 Glowbug rig
by "Rob Matherly" <kc0bom@arrl.net>
- 63) [114527] NETXQRP Club Meeting
by "Chuck Carpenter" <w5usj@globeco.net>
- 64) [114528] FOX: N4DD FOX ADVISORY
by "Dennis Brickey" <n4dd@preferred.com>
- 65) [114529] Equipment for sale
by Bob Welch <p326@earthlink.net>
-

Date: Mon, 10 Dec 2001 17:32:51 -0700
From: "T.W." <wb5qyt@abq.com>
To: <qrp-1@lehigh.edu>
Subject: [114465] RIGS sold
Message-ID: <MABBIKAEJNPMOAJMBKJJMEODCHAA.wb5qyt@abq.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gang,

The DSW 40, 38s and 49er have been sold...TU, Tom

Date: Mon, 10 Dec 2001 18:56:25 -0600
From: "Craig Johnson" <cbjohns@mn.mediaone.net>
To: <qrp-1@Lehigh.EDU>
Subject: [114466] NE5114 Op Amp replacement
Message-ID: <002001c181de\$aca175f0\$6601a8c0@CBJP2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

The Rick Campbell (KK7B) R2 receiver and T2 transmitter both use NE5114 op amps. Unfortunately, these are no longer made. Anyone know a suitable replacement?
Thanks.

73,
Craig, AA ZZ

Date: Mon, 10 Dec 2001 18:59:05 -0600
From: "Craig Johnson" <cbjohns@mn.mediaone.net>
To: <qrp-1@Lehigh.EDU>
Subject: [114467] NE5114 Should be NE5514
Message-ID: <002801c181df\$0b450f90\$6601a8c0@CBJP2>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Sorry, Typo.

The discontinued Op Amps in Rick Campbell's R2 and T2 are NE5514 (not NE5114).

73,
Craig, AA ZZ

Date: Mon, 10 Dec 2001 19:51:26 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <WD8CIV@worldnet.att.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [114468] Re: Altoids tin dimensions?
Message-ID: <01a201c181e6\$5c6a0e00\$3111a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm sure I'm the 80th person to post this (haven't read all the messages I have yet :^), but I just checked mine at 2-1/8" x 3-1/2". Keep in mind that the edges are rounded, so you loose a little room. To fit a rectangular board in there, you'll either have to round the corners on the board, or cut it to about 1-1/2" x 2-3/4"

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----
From: David Hinerman <WD8CIV@worldnet.att.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Monday, December 10, 2001 2:20 PM
Subject: Altoids tin dimensions?

Folks,

Can anyone give me the inside dimensions of a standard Altoids tin?

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 10 Dec 2001 17:55:41 -0800
From: Bob Nielsen <nielsen@oz.net>
To: qrp-l@lehigh.edu
Subject: [114469] 3D2AG/P easy QRP DX
Message-ID: <20011211015541.GC18721@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

He is nice and loud on 21020. No pileup, so it was an easy pick.
This is Rotuma Is., not Fiji.

Bob, N7XY

Date: Mon, 10 Dec 2001 18:09:23 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [114470] WI Update
Message-ID: <002a01c181e8\$db8c8620\$8c63fc9e@tjnotebook>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, I've got until Friday morning before I have to tear down the antenna and get on a flight back to Burbank, CA. I came down with a cold mid last week, so spent most of the weekend in bed getting better. Anyway, I'm about 90% good now, so am going to try and spend the next few nights on the air. If you'd like to schedule a QSO or need WI for QRP WAS send me an e-mail and we'll schedule something. I'll be on 20,30 and 40 most of the time, but may try 80 too. The thrown together antenna seems to work great! It's about 25' of Radio Shack TV Twin Lead and 100' of wire out to two trees from my 3rd floor hotel window tuned with an MFJ-971. The FT-817 seems to be doing well also. Take care and hope to hear a few of you on the air before I leave.

72/73's
Trev
KG6CYN

Date: Mon, 10 Dec 2001 18:28:40 -0800
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft mail list <elecraft@qth.net>
Subject: [114471] New Article on Transceter Interfacing to HF rigs
Message-ID: <3C156F58.D9F49A1@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've just added a new article to our Tech Notes page at
<http://www.elecraft.com>

It is titled "Transverter Application Notes" and was written by Dave Olean, K1WHS, and Jay Rutherford, K1UC. It covers in detail the interfacing of transverters to the K2 or just about any other HF radio.

Thanks again to Dave and Jay for writing this!

73, Eric WA6HHQ

Date: Mon, 10 Dec 2001 18:37:37 -0800
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: Elecraft mail list <elecraft@qth.net>
Subject: [114472] Correction - 'Transverter'
Message-ID: <3C157171.FFBDC14@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I mistyped the subject of my last posting and created a new product, a 'transceter.' The correct spelling is 'transverter'...

Sorry about that!

73, Eric WA6HHQ

Date: Mon, 10 Dec 2001 20:58:41 -0600
From: "David Bixler" <qrp@netins.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [114473] Spark Transmission Approved

Message-ID: <DBEPKBJH00EAHCKKIHPFCEFAKAA.qrp@netins.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Probably not QRP, but a once in a lifetime opportunity
to hear a real spark transmitter on the air Wednesday
evening as part of the Marconi 100 year celebration.

Per the Canadian RAC news site, the spark demonstration
has been approved:

<http://www.rac.ca/dnews.htm>

"Of additional interest to Group members will be a
demonstration of a spark-gap transmitter from St. David's,
Ontario. This is an initiative of VE3BBN and it has been
approved by Industry Canada for the period 9-10 pm EST
13 Dec 0200-0300Z)."

Best received by an AM mode receiver on approximately 3550
KHz. Check out the details on the URL above.

72, Dave

David Bixler W0CH
Seneca, MO
Main Web Site: <http://www.qsl.net/w0ch>
Mirror Site: <http://showcase.netins.net/web/w0ch>

QRP: Little Radios, Big Fun!

Date: Mon, 10 Dec 2001 20:10:33 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <qrp@netins.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114474] Re: Spark Transmission Approved
Message-ID: <002701c181f1\$68600830\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'd like to suggest that as many people as possible record this transmission. Then lets collect a few samples to put on a website somewhere. I have access to 5-10Mb to host some files for a time.

Happy Holidays
73, Rod N0RC
Ft Collins, CO

----- Original Message -----

From: "David Bixler" <qrp@netins.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, December 10, 2001 7:58 PM
Subject: Spark Transmission Approved

> Probably not QRP, but a once in a lifetime opportunity
> to hear a real spark transmitter on the air Wednesday
> evening as part of the Marconi 100 year celebration.
>
> Per the Canadian RAC news site, the spark demonstration
> has been approved:
>
> <http://www.rac.ca/dnews.htm>
>
...

Date: Mon, 10 Dec 2001 22:40:03 -0500
From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>,
 <eric@elecraft.com>
Subject: [114475] Re: Correction - 'Transverter'
Message-ID: <002301c181f5\$8af24b70\$9d606fcc@jim>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Isn't a "transcerter" an inductor wound on a breath mint?

----- Original Message -----

From: "Eric Swartz WA6HHQ - Elecraft" <eric@elecraft.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, December 10, 2001 9:37 PM
Subject: Correction - 'Transverter'

> I mistyped the subject of my last posting and created a new product, a
> 'transcerter.' The correct spelling is 'transverter'...
>
> Sorry about that!
>
> 73, Eric WA6HHQ
>

Date: Mon, 10 Dec 2001 19:43:56 -0800
From: Bob Welch <p326@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [114476] Equipment Sale
Message-ID: <3C1580FC.BD370FB7@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have decided to go 100% QRP and will be selling my other equipment to
build my cash fund for buying ALL items for sale are in the original
box, with manual,all original accessories and no modifications have been
made. They are in my system now and operating.Prices include shipping in
CONUS.

1. Icom - 706 original model absolutely in mint condition. No dings or
scratches.Never used as a mobile.All mode ssb,am,cw,fm,covers HF+50mhz
+144mhz,Broadcast,tv, and fm broadcast. Since I live near a Icom service
center
in Bellevue WA I paid to have it checked out as I mostly used it on 2
and 20 mtrs.They reported it " checks ok and meets/exceeds spec."
Selling for \$525 new it was \$1279.Includes Mike ,DC power cable ,UT-102
voice synthesizer installed.

2.Mirage B-310G- amplifier. Boost your HT or Icom 706 2mtrs to 100
watts.All modes FM,SSB,CW. 15db GasFet receive preamp.\$145, new its
\$199.

3.Baypac Model BP-@m Multimode Modem for Amtor, Rtty, Cw,Wefax , SSTV
etc.I used it for SSTV.Micro Miniature size.No calibration, No external
power required . Includes software and extra cable wired for the Icom
706. See

Http://www.tigertronicics.com . Selling for \$45

4. MFJ-969 Versa Tuner 11. Up to 300 watts All bands between 160 and 6 meters. Built in dummy load, two separate coaxial outputs and built in 4:1 balun for long wire or twin lead., Cross needle Meter.. Set for 30 or 300 watts. \$135. New \$189. Will sell this after 706 is sold. I want to keep it in my system

That's it. Contact me direct please or call 425-337-4054

Bob, W8MCJ

Date: Mon, 10 Dec 2001 22:49:05 -0500
From: David Hinerman <wd8civ@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [114477] Re: Correction - 'Transverter'
Message-ID: <3.0.6.32.20011210224905.0079b130@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:40 PM 12/10/01 -0500, you wrote:
>Isn't a "transcerter" an inductor wound on a breath mint?

I thought it was an electronic means of granting award certificates.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Mon, 10 Dec 2001 19:56:56 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <jstamper@shentel.net>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [114478] Re: Correction - 'Transverter'
Message-ID: <007201c181f7\$e1eb8b60\$8c63fc9e@tjnotebook>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Yes, but you have to use the mints that spark when you bite them or it won't work... ;-)

----- Original Message -----

From: "Jim Stamper" <jstamper@shentel.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, December 10, 2001 7:40 PM
Subject: Re: Correction - 'Transverter'

> Isn't a "transcerter" an inductor wound on a breath mint?

>

> ----- Original Message -----

> From: "Eric Swartz WA6HHQ - Elecraft" <eric@elecraft.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Monday, December 10, 2001 9:37 PM
> Subject: Correction - 'Transverter'

>

>

> > I mistyped the subject of my last posting and created a new product, a
> > 'transcerter.' The correct spelling is 'transverter'...

> >

> > Sorry about that!

> >

> > 73, Eric WA6HHQ

> >

>

>

Date: Mon, 10 Dec 2001 23:07:18 -0500
From: "David Porter" <aa3ur@home.com>
To: <rod@n0rc.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [114479] Re: Spark Transmission Approved
Message-ID: <002e01c181f9\$54278340\$927ba8c0@jamison1.pa.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Web page said:

David Wilson VE3BBN in St David's Ontario near Niagara Falls, is seeking approval from Industry Canada for a special event transmission using a home made spark transmitter. The event will take place on December 12th 2001, at 9 pm local eastern time, (0200 UTC), to celebrate the 100th anniversary of Marconi's historic transatlantic transmission of the letter "S" from Poldhu Cornwall to St John's Newfoundland in 1901.

I hate to show my ignorance, but I don't want to be a day late or a dollar short if I can help it.

Is it December 12, 2002 0200 UTC (December 11, 2002 9PM EST)
or is it December 13, 2002 0200 UTC (December 12, 2002 9PM EST)?

I vote for the first of the two.... Anyone else?

David Porter AA3UR
aa3ur@home.com

----- Original Message -----

From: "Rod N0RC" <rod@n0rc.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Monday, December 10, 2001 10:10 PM
Subject: Re: Spark Transmission Approved

> I'd like to suggest that as many people as possible record this
> transmission. Then lets collect a few samples to put on a website
> somewhere. I have access to 5-10Mb to host some files for a time.

>

> ***Happy Holidays***

> 73, Rod N0RC

> Ft Collins, CO

>

> ----- Original Message -----

> From: "David Bixler" <qrp@netins.net>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Monday, December 10, 2001 7:58 PM
> Subject: Spark Transmission Approved

>

>

> > Probably not QRP, but a once in a lifetime opportunity

> > to hear a real spark transmitter on the air Wednesday

> > evening as part of the Marconi 100 year celebration.

> >

> > Per the Canadian RAC news site, the spark demonstration

> > has been approved:
> >
> > <http://www.rac.ca/dnews.htm>
> >
> ...
>

Date: Mon, 10 Dec 2001 23:03:10 -0500
From: putska@juno.com
To: qrp-1@Lehigh.EDU
Subject: [114480] Need More Output
Message-ID: <20011210.230314.-288569.1.putska@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I built a 15 meter transceiver that I'm having trouble not getting enough output , if someone has a Radiokit on 15 meters or an MFJ-9015 , 9017 or 9020 and could give me some rf voltage readings I would must appreciate it . I need rf volts peak to peak readings at (pin 7) of ne602 u1 osc. (pin 1) of ne602 transmit mixer u6 , base of (2n5109) driver and base of (MRF 476) final amp . GARY KB2PQE

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<http://dl.www.juno.com/get/web/>.

Date: Mon, 10 Dec 2001 23:19:17 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: cbjohns@mn.mediaone.net, qrp-1@Lehigh.EDU
Subject: [114481] Re: NE5114 Op Amp replacement
Message-ID: <200112110420.fBB4KbgE024525@hagus.bright.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

It was the NE5514 as someone pointed out.

The new R2Pro uses NE5532's in that part of the circuit now, but they are not pin for pin replacements. TL084's can be used as pin for pin replacements, and there are others....

>
> The Rick Campbell (KK7B) R2 receiver and T2 transmitter both use NE5114 op
> amps. Unfortunately, these are no longer made. Anyone know a suitable
> replacement? Thanks.
>
> 73,
> Craig, AA ZZ
>

73 - Bill - N8ET
Kanga US
kanga@bright.net
<http://www.bright.net/~kanga/>
419-423-4604

Date: Mon, 10 Dec 2001 21:47:29 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [114482] 80 was great from the hotel tonight!!! (longish)
Message-ID: <008c01c18207\$533eefa0\$8c63fc9e@tjnotebook>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Since I was feeling better tonight, I thought I'd try for a couple of Q's.
Had a nice chat with Aron N10DL on 30 meters but had to cut it short as a
friend showed up for dinner, so figured I'd try again a bit later. Aron's K2
sounded great and I wish we could have gone a bit longer. Band was kind of
noisy and there was QSB, but his signal was cutting through pretty good.

After dinner, I came back and turned on the rig. Also turned on the TV.
Well, I got sucked in to the "Pretender" movie on TNT (I'd actually been
waiting to see it) so the QSO's had to wait a bit. After the movie, I
remembered that Wayne had been talking about how good 80 was, and thought
I'd give it a shot. Thought I might even hear Wayne in there or some of the
other guys. Didn't know how well the antenna would do, since it's kind of
low flying (out of the 3rd floor window of my hotel room) for an 80 meter
antenna. So, I tuned to 3.686 MHz and listened for a bit and then called CQ.
After a couple of tries Don K5KW in Fort Gibson, OK came back to me, and we
had a really nice QSO! Signals were a bit weak at first, but Don's Fist is
excellent, and after a slight bit of QSB on the first exchange he was solid
copy for the rest of the QSO. I couldn't believe that I'd just had a QSO on
80 at that distance! I almost fell off my chair when he said that the QTH
was OK!!! Don's G5RV must be like an RF Magnet as he gave me a 569 report at

the end of the QSO. He was running 579 by the end of it. It was one of the nicest QSO's I've had in long time. So, listen for Don on his K2, especially for those like me that are trying to build up your code speed. He's got a great fist and very easy to copy CW. Thanks for the QSO Don! I'll be listenning for you again.

BTW another notable QSO from the hotel, was with Steve N0TU. We got on 40 meters last Friday AM and had a nice chat (even though I was a bit out of it on Nyquil, Hi!). Steve switched over to his TT2 and was just above the noise and about 50% copyable at times. We'll have to give that another shot as the band was a bit noisy here.

I'm here until Friday afternoon, so I'll be looking for QRP-Lers on the bands. Take care...

72/73's

Trev

KG6CYN/Portable 9 - Middleton,WI

Date: Tue, 11 Dec 2001 02:27:39 -0500
From: Pete Burbank <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114483] Re: Spark Transmission Approved
Message-ID: <5.0.2.1.0.20011211020134.00a9fc00@KIH.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:07 PM 12/10/2001 -0500, David Porter wrote:

>The Web page said:

>

>David Wilson VE3BBN in St David's Ontario near Niagara Falls, is seeking
>approval from Industry Canada for a special event transmission using a home
>made spark transmitter. The event will take place on December 12th 2001, at
>9 pm local eastern time, (0200 UTC), to celebrate the 100th anniversary of
>Marconi's historic transatlantic transmission of the letter "S" from Poldhu
>Cornwall to St John's Newfoundland in 1901.

>

>

>I hate to show my ignorance, but I don't want to be a day late or a dollar
>short if I can help it.

>

>Is it December 12, 2002 0200 UTC (December 11, 2002 9PM EST)

>or is it December 13, 2002 0200 UTC (December 12, 2002 9PM EST)?

>
>I vote for the first of the two.... Anyone else?
>
>
>David Porter AA3UR
>aa3ur@home.com

The Newfoundland Website says times are GMT and it's Dec. 12 which should be Wed. in England and Tuesday night in the US.
I think the English use the same calender that we do. :-) But you never know about things like that.HI!
I'll vote for #1 also.
This time thing has always ticked me off....no pun intended..(just something that happens in my brain).
As usual any corrections are cheerfully accepted here.
73 to All
Pete NV4V Ky

Date: Tue, 11 Dec 2001 03:04:21 EST
From: FIVEWATTS@aol.com
To: qrp-L@lehigh.edu
Subject: [114484] (no subject)
Message-ID: <57.3304147.29471805@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Date: Tue, 11 Dec 2001 02:47:55 -0600
From: Don <dwitttlic@APCI.net>
To: ae5x@qsl.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [114485] Re: Any VLF beacon operators?
Message-ID: <3C15C83B.36E92B5D@APCI.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John,
Have you been in VLF very long?

Can a person do any significant VLF listening from a city location that has power lines within 50 feet of antenna?

I would really enjoy giving this a try, but so far, my TS-850, which I understand is good on LF, hears lots of local noise and not much else. Did manage to hear WWVB at 60 kHz, though.

--Don Wittlich WN9V Belleville, IL

John Harper AE5X wrote:

>
> Morning,
>
> I was wondering if any members of this list are operating beacons in the
> 160-190 kHz experimenter's band. If so, I'd like to know what type of
> transmitter you are using - schematic, mode (QRSS, WOLF, etc). There are a
> few companies offering kits for this freq range:
> <http://www.northcountryradio.com/am88.htm> and one from Curry Communications,
> whose web site is down right now. And some homebrew designs at:
> <http://www.computerpro.com/~lyle/>
>
> I am in the process of building a transmitter for a CW beacon on 188.5 kHz
> using Manhattan construction and would like to know the results of others on
> the list who have experience in the "Lower" band.
>
> Thanks and 73,
>
> John Harper AE5X
> Outdoor QRP: <http://www.qsl.net/ae5x>

Date: Tue, 11 Dec 2001 05:31:12 EST
From: K1epj@aol.com
To: qrp-l@lehigh.edu
Subject: [114486] RE: 3D2AG/P easy QRP DX
Message-ID: <98.1ec3e3b3.29473a70@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I worked him from the East coast on 10 meters Sunday afternoon with my K2 at 5 watts.
Dave K1EPJ

Date: Tue, 11 Dec 2001 06:31:07 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: <plburbank@kih.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114487] Re: Spark Transmission Approved
Message-ID: <066d01c18237\$54110be0\$7001a8c0@lwrnc1.in.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Today is the 11th... right? Well... 0200 UTC (09:00 PM EST) tonight will be the 12th (in England). The article states the 12th as the *Tuesday* Night Training Net and will be going on the night *before* the SPARK event. Right?

I'm thinking it's Wednesday night at 09:00 PM EST but we might get to hear some good vintage equipment tonight too.

My vote: Tonight at 9PM Vintage Marconi Equipment and Wednesday night at 9PM -- *SPARK*!

It won't hurt to listed BOTH times. :-)

72/73 DE KA8MAV (Brice)
Indianapolis, IN EM79au
QRPP-I #1, QRP ARCI #10972, QRP-L #2360, ARRL
KLQRP, FPQRP -156, ARS #1,138, NETXQRP #27
AOL Instant Messenger ID: ka8mav
Yahoo! Instant Messenger ID: bdhornback

QRPP International Radio Club
Tiny-Tornado Transceiver Kits
<http://www.QRPP-I.com>

----- Original Message -----

From: "Pete Burbank" <plburbank@kih.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, December 11, 2001 2:27 AM
Subject: Re: Spark Transmission Approved

> At 11:07 PM 12/10/2001 -0500, David Porter wrote:
> >The Web page said:
> >
> >David Wilson VE3BBN in St David's Ontario near Niagara Falls, is seeking
> >approval from Industry Canada for a special event transmission using a

home
> >made spark transmitter. The event will take place on December 12th 2001,
at
> >9 pm local eastern time, (0200 UTC), to celebrate the 100th anniversary
of
> >Marconi's historic transatlantic transmission of the letter "S" from
Poldhu
> >Cornwall to St John's Newfoundland in 1901.
> >
> >
> >I hate to show my ignorance, but I don't want to be a day late or a
dollar
> >short if I can help it.
> >
> >Is it December 12, 2002 0200 UTC (December 11, 2002 9PM EST)
> >or is it December 13, 2002 0200 UTC (December 12, 2002 9PM EST)?
> >
> >I vote for the first of the two.... Anyone else?
> >
> >
> >David Porter AA3UR
> >aa3ur@home.com
>
> The Newfoundland Website says times are GMT and it's Dec. 12 which should
> be Wed. in England
> and Tuesday night in the US.
> I think the English use the same calender that we do. :-) But you never
> know about things like that.HI!
> I'll vote for #1 also.
> This time thing has always ticked me off....no pun intended..(just
> something that happens in
> my brain).
> As usual any corrections are cheerfully accepted here.
> 73 to All
> Pete NV4V Ky
>

Date: Tue, 11 Dec 2001 06:32:15 -0700
From: "Rod N0RC" <rod@n0rc.com>
To: <aa3ur@home.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114488] Re: Spark Transmission Approved
Message-ID: <003d01c18248\$3fc5ac20\$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

The way it is written is: "...Canada for the period 9-10 pm EST (13 Dec 0200-0300Z)." suggests it is 2am (0200), Thur, 13-Dec, in Greenwich, England (the "reference" point for "z", "zulu" time). So that makes it:

Wed 12-Dec, 9pm EST
Wed 12-Dec, 8pm MST
Wed 12-Dec, 7pm CST
Wed 12-Dec, 6pm PST

The confusion stems from our own [incorrect/poor] usage when we refer to the day/date in our local timezone, and the hour in "Zulu", AKA "GMT" AKA "UTC". When using UTC confusion is avoided when we state day/date and time WRT to Greenwich, England, this is the convention I see most. For example I just finished writing this note at:

0620, 11-Dec-2001 MDT (Tue morning)
1320, 11-Dec-2001 Z [UTC, GMT...] (Tue afternoon)

Another example, our Fox hunts:

0200-0400z every Thur [confusing usage)

Clear usage:

every Fri, 0200-0400Z

or

every Thur, 2100-2300 EST
every Thur, 2000-2200 CST
every Thur, 1900-2100 MST
every Thur, 1800-2000 CST
...etc....

Hope that helps.

Happy Holidays

73, Rod NORC

Ft Collins, CO

remember 9-11, just 3mos ago!

----- Original Message -----

From: "David Porter" <aa3ur@home.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Monday, December 10, 2001 9:07 PM

Subject: Re: Spark Transmission Approved

> The Web page said:

>

> David Wilson VE3BBN in St David's Ontario near Niagara Falls, is seeking

> approval from Industry Canada for a special event transmission using a home

> made spark transmitter. The event will take place on December 12th 2001, at

> 9 pm local eastern time, (0200 UTC), to celebrate the 100th anniversary of

> Marconi's historic transatlantic transmission of the letter "S" from Poldhu

> Cornwall to St John's Newfoundland in 1901.

>

>

> I hate to show my ignorance, but I don't want to be a day late or a dollar

> short if I can help it.

>

> Is it December 12, 2002 0200 UTC (December 11, 2002 9PM EST)

> or is it December 13, 2002 0200 UTC (December 12, 2002 9PM EST)?

Date: Tue, 11 Dec 2001 08:44:18 -0500

From: "Kwik, Ed " <ed.kwik@delphiauto.com>

To: "QRP-L (E-mail)" <qrp-1@Lehigh.EDU>

Subject: [114489] MI QRP Net Tonight 9:00 PM Eastern Time 3.535 MHz

Message-ID:

<9F176F70FD71AC48AFC36F879D2B84E38F362A@tryexch01.NorthAmerica.DelphiAuto.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

It has been good to see several comments about how good QRP can be on 80 meters. This time of year it can be a lot of fun. Last week we had ten QNIs from six different states. Had two from MD!

S R

120501 3.535 CW K25W WA9PWP 599 589 STOUGHTON

WI PAUL

120501	3.535	CW	K25W	W8EGI	599	599	EAST LANSING	MI	DON
120501	3.535	CW	K25W	N3WT	579	589	JEFFERSON	MD	JOHN
120501	3.535	CW	K25W	K4EQ	559		NORTH EAST	TN	DALE
120501	3.535	CW	K25W	K3CHP	579	449	RIVERDALE	MD	JOE
120501	3.535	CW	K25W	WA8BXN	599	599	KIRTLAND	OH	MIKE
120501	3.535	CW	K25W	W8IQB	599	579	BRISTOL	MI	LOWELL
120501	3.535	CW	K25W	KA3WMJ	589		ERWINNA	PA	KEN
120501	3.535	CW	K25W	N8UN	579	579	EAST LANSING	MI	ED
120501	3.535	CW	K25W	W8CCY	588	599	SAULT ST MARIE	MI	LARRY

After the net is over I will go up to 3.686 MHz and give a listen. Should be sometime after 10:00 PM.

Ed AB8DF Waterford, MI

Date: Tue, 11 Dec 2001 06:47:24 -0700
 From: "Rod N0RC" <rod@n0rc.com>
 To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
 Subject: [114490] Re: Spark Transmission Approved
 Message-ID: <000901c1824a\$5d982f50\$6401a8c0@greyrock>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="iso-8859-1"
 Content-Transfer-Encoding: 7bit

Minor correction, thanks, Steve:

----- Original Message -----

From: "Rod N0RC" <rod@n0rc.com>
 To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
 Sent: Tuesday, December 11, 2001 6:32 AM
 Subject: Re: Spark Transmission Approved

> Folks,
 >
 > The way it is written is: "...Canada for the period 9-10 pm EST (13
 > Dec 0200-0300Z)." suggests it is 2am (0200), Thur, 13-Dec, in
 > Greenwich, England (the "reference" point for "z", "zulu" time). So
 > that makes it:
 >
 > Wed 12-Dec, 9pm EST
 > Wed 12-Dec, 8pm MST <<<
 > Wed 12-Dec, 7pm CST <<<

----- Original Message -----
From: "David Wilson" <david@computan.on.ca>
To: "David Bixler" <qrp@netins.net>
Sent: Monday, December 10, 2001 7:52 PM

Subject: Re: Spark Transmission Schedule

> Hi Dave , that is right , and the freq. is 3.550 mhz and monitor in
AM

> mode .

> Good luck, David

>

> David Bixler wrote:

>

> > Hello David:

> >

> > I would like to confirm the schedule for the spark

> > transmission. I understand that it will commence at

> > 9 PM Eastern Time on Wednesday evening, December 12th.

> > If you would advise if this is correct, I would

> > appreciate it.

> >

> > There was some confusion as to the schedule and I would

> > like to post the confirmed date/time to the QRP-L

> > E-Mail reflector as there are many QRP operators

> > interested in receiving this event.

> >

> > Thanks and best of success in your transmission.

> >

> > Dave

> >

> > David Bixler W0CH

> > Seneca, MO

> > Main Web Site: <http://www.qsl.net/w0ch>

> > Mirror Site: <http://showcase.netins.net/web/w0ch>

> >

> > QRP: Little Radios, Big Fun!

>

Date: Tue, 11 Dec 2001 09:01:35 -0500

From: neil tanner <wa4chq@qsl.net>

To: qrp-l@Lehigh.EDU

Subject: [114492] PSK31 for Linux

Message-ID: <3C1611BE.6D2A3545@qsl.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Greetings all-

Thanks for the help re: PSK and Linux. I am getting closer to having it running but I still have a glitch. I am trying to install Twpsk. I have the lesstif.rpms installed and think I did all that I was supposed to. When I typed Twpsk I thought I had it, the screen popped up for a few seconds then dissapeared. I typed Twpsk again and now I get:
compiled with lesstif ver. xxxx
running with lesstif ver.xxxx
Cannot open audio device /dev/audio : no such device
failed to initiate psk31 server

I looked in /dev/audio and I see it there
boy...I thought I finally had it!
73
Neil wa4chq

Date: Tue, 11 Dec 2001 08:54:31 -0500
From: Ed Kessler <edkess@pa.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [114493] Stuff For Sale
Message-ID: <5.0.2.1.0.20011211085135.00a20180@mail.pa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I'm setting up my shack as a completely homebrew station and have the following gear that needs a new home.

For Sale:

LDG AT-11 Auto Tuner

In excellent condition cosmetically and operationally. One small mod: Phono power connector. I don't have a manual with this, but operation is straight forward.
\$100 plus \$5 shipping.

Yaesu YS-60 SWR/PWR Meter

As NIB, Used only a few times. 1.6-60MHz, 20W/200W/2000W settings, AVG/PEP measurements. Lighted meter. Manual and original box included. Price tag on the box says \$169.99.
\$115 firm plus \$5 shipping.

Power Supplies

Pyramid Gold Series 13.8V / 2.5A Constant / 3 Amp Surge
Like New, No Manual.
\$25 plus \$5 shipping.

Micronta/Radio Shack 13.8V Regulated / 2.5A Constant
Works fine, about a 7 cosmetically.
\$20 plus \$5 shipping.

Heathkit HWA-7-1 (Matches HW-7 and I think the "-1" means 1 Amp, but I'm not sure)
Excellent condition, about a 9.5 or better. No Mods. No manual.
\$35 plus \$5 shipping.

BNC Board Mount Connectors
New, 25 pieces in sealed box. No panel mounting hardware.
\$20 plus \$3.50 shipping.

With the exception of the YS-60, and in the spirit of "hamfest haggle," I will consider reasonable offers. Thanks for the bandwidth.

73s
Ed AA3SJ

Ed Kessler
950 Woodside Station Road
Millersburg, PA 17061

Date: Tue, 11 Dec 2001 09:12:02 -0500
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, qrp@netins.net
Subject: [114494] Re: Confirmed Spark Transmission Schedule
Message-ID: <3C15CDE2.30124.A8CBF5@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Uh....

What frequency is suggested for those of us with superhets?

I guess somewhere near the low end of the broadcast band should have the best signal? Seems to me that the frequency spectrum of the spark ought to cover DC to light.

Henry

On 11 Dec 2001, at 7:45, David Bixler wrote:

> Hello gang:
>
> I have just received the following E-Mail from VE3BBN, the operator of
> the spark transmission.
>
> The confirmed schedule is Wednesday evening at 9 PM Eastern Time
> here in the US.
>
> Good listening!
>
> David Bixler W0CH
> Seneca, Missouri QRP-L #618
> QRP Web Site Main: <http://www.qsl.net/w0ch/>
> QRP Web Site Mirror: <http://showcase.netins.net/web/w0ch/>
>
> QRP: Little radios, big fun!
>
> ----- Original Message -----
> From: "David Wilson" <david@computan.on.ca>
> To: "David Bixler" <qrp@netins.net>
> Sent: Monday, December 10, 2001 7:52 PM
> Subject: Re: Spark Transmission Schedule
>
>
> > Hi Dave , that is right , and the freq. is 3.550 mhz and monitor in
> AM
> > mode .
> > Good luck, David
> >
> > David Bixler wrote:
> >
> > > Hello David:
> > >
> > > I would like to confirm the schedule for the spark
> > > transmission. I understand that it will commence at
> > > 9 PM Eastern Time on Wednesday evening, December 12th.
> > > If you would advise if this is correct, I would
> > > appreciate it.
> > >
> > > There was some confusion as to the schedule and I would
> > > like to post the confirmed date/time to the QRP-L
> > > E-Mail reflector as there are many QRP operators
> > > interested in receiving this event.
> > >
> > > Thanks and best of success in your transmission.
> > >
> > > Dave

> > >
> > > David Bixler W0CH
> > > Seneca, MO
> > > Main Web Site: <http://www.qsl.net/w0ch>
> > > Mirror Site: <http://showcase.netins.net/web/w0ch>
> > >
> > > QRP: Little Radios, Big Fun!
> >
>
>

Date: Tue, 11 Dec 2001 09:28:02 -0500
From: "Upton, Shawn" <SUpton@ALLEGROMICRO.com>
To: "'David Hinerman'" <WD8CIV@worldnet.att.net>
Cc: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [114495] RE: 80 osc/tx
Message-ID: <E1F0152638DBD311AEF700D0B74455E23BFF8E@exchange_nh.allegromicro.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

So, how is power typically measured? I see references to power, and then peak power, or peak to peak power (PEP). RMS power is $V_{rms} \times V_{rms} / R$, or $0.5 \times V_p \times V_p / R$, or $0.125 \times V_{pp} \times V_{pp} / R$, right? So, are most power measurements RMS, unless otherwise noted? [Maybe this ought to go under the Elmer 101 discussions too.]

Shawn Upton, KB1CKT
Product Development Engineer - Sensors
Allegro MicroSystems, Inc
Concord, NH
603.228.5533 ext. 429

-----Original Message-----

From: David Hinerman [mailto:WD8CIV@worldnet.att.net]
Sent: Monday, December 10, 2001 10:57 AM
To: SUpton@ALLEGROMICRO.com
Subject: Re: 80 osc/tx

At 08:56 AM 12/10/2001 -0500, you wrote:
>Now, some of her layout isn't the way I would have done

>it, but other than one transistor in backwards (which didn't harm it),
there
>was no mistakes and it puts out the prescribed 1/2 watt (unless if I did
the
>math wrong--10Vpp into 50 ohms).

Shawn,

I get about a quarter watt:

10V peak to peak = 5V peak

5V peak = 3.536V rms (approximately)

$(3.536V \text{ rms} \times 3.536V \text{ rms}) / 50 \text{ ohms} = 0.25 \text{ watts (approximately)}$

That conversion from Vpp to Vp gets me all the time, but it's a necessary
evil for power calculations.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 11 Dec 2001 09:32:04 -0500
From: Ed Kessler <edkess@pa.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [114496] Stuff For Sale
Message-ID: <5.0.2.1.0.20011211093140.00a22300@mail.pa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

The LDG Tuner is sold.

Date: Tue, 11 Dec 2001 09:33:47 -0500
From: "Lau, Zack, W1VT" <z1au@arrl.org>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [114497] Re: New Article on Transceter Interfacing to HF rigs
Message-ID: <125490A005E3D3118C9C00805FC743CC027E30BA@KAHLESS>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Something invented by W1CER?

Date: Tue, 11 Dec 2001 08:47:51 -0600
From: "David Bixler" <qrp@netins.net>
To: <henryf@quartz.gly.fsu.edu>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114498] Re: Confirmed Spark Transmission Schedule
Message-ID: <00bf01c18252\$cf70f460\$e915b9cc@Host>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Henry Freedenberg wrote:

>Uh....
>
> What frequency is suggested for those of us with superhets?
>
> I guess somewhere near the low end of the broadcast band should
> have the best signal? Seems to me that the frequency spectrum of
> the spark ought to cover DC to light

The announced frequency is 3550 KHz, in the 80 meter amateur
band. The bandwidth of the spark signal will be wide, probably
covering
at least 20 KHz of the band per the RAC web site announcement.

An AM mode receiver with wide selectivity would be better than
using a narrow CW/SSB receiver.

I hope folks over in the VE3, W2 and W3 area can make a recording
and post to the web somewhere. Should be an interesting evening.

72, Dave

David Bixler
Seneca, Missouri
QRP Web Site Main: <http://www.qsl.net/w0ch/>
QRP Web Site Mirror: <http://showcase.netins.net/web/w0ch/>

W0CH
QRP-L #618

QRP: Little radios, big fun!

Date: Tue, 11 Dec 2001 10:06:20 -0500
From: Kenneth Hoglund <hoglund@wfu.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [114499] Spark Gap
Message-ID: <3C1620EC.B8AC7982@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Some years' back the kids and I toured ARRL HQ, and saw a working reproduction of a spark gap transmitter in the entry hall of W1AW. I innocently asked if it had ever been fired up. The person guiding us around rolled his eyes and said a couple years' earlier the staff tried it out: Brought down the mainframe! Talk about broadband emissions.

I imagine we'll be able to hear the gap transmission in a number of modes.

73
Ken KG4FGC

Date: Tue, 11 Dec 2001 10:42:20 -0500
From: Nils R Young <nilsbull@juno.com>
To: QRP-L@lehigh.edu
Subject: [114500] The 40m QRP transceiver in an old HR magazine (maybe)
Message-ID: <20011211.104240.684.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

After cruising & surfing & bumping into things & not stabbing myself again with the kitchen syringe, I came across this:

Ham Radio Magazine, December 1976, page 26: 7 MHz QRP transceiver. (Or maybe it was transmitter).

This may be the tiny little box that I remember from long back, having

saved my shekels & sent for the board from MFJ back sometime between 1975 (when my oldest was born) and 1980, when we moved out of those particular digs & went to New Carlisle.

This was a tiny board, about 3x2 or so with two ICs (I think one was the LM3028 or some such . . . it was in one or more of the ARRL handbook DCRs back then [and maybe in the Ten Tec PM2s]) and a couple transistors. It used a miniature broadcast band/FM/AM tuning cap to bend the crystal frequency. The final tranny on the PA was a 2N3866. MFJ sold the board back then . . . which I learned from reading the article. My memory is that it used a manual t/r switch. But it worked pretty good.

Closest I've come to an "updated" circuit is the 40-9er or whatever you wanna call it. Somebody even had boards for it. I've been beggin' big time.

But I'd like to see that article again -- having lost all my old HR magazines in two successive moves -- & maybe even try to get a board done so I could hunt down the parts again & maybe even use the little box on the air from a picnic table or something.

Or this could all be an serious case of nostalgia. But it's you guys what started this with me over 10 years ago now. You and the G-QRP lunatics and their tiny little "oners" and that radio in a cigarette box & all that British eccentricity thing going on.

Somebody's gotta remember this thing! How am I gonna stab myself again after Cindy put all the sharp objects away from my accident getting the fruitcakes drunk! I mean, really, I wanna drive a couple leads off 1/4W resistors up between my fingernails, fer cryin' out loud!

All I need is a copy of the pertinent pages!

73

Nils

. . . did I tell you I blew out the finals of my CCI amplifier? It only takes 5 W of drive, not 20 W . . . and now the website says "CALL" for the price of the replacement trannies &c . . .

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes

W8IJN -- <http://www.geocities.com/nilsbull/w8ijn>

In my day you had to FIGHT to have digits! Every DAY was a STRUGGLE!

--- Comrade Nikolai Sergeevich McTovarishov

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<http://dl.www.juno.com/get/web/>.

Date: Tue, 11 Dec 2001 10:54:40 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: nilsbull@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [114501] Re: The 40m QRP transceiver in an old HR magazine (maybe)
Message-ID: <3C162C40.3D38F2E6@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nils,

Ham Radio is now available as a CD-ROM set from various places,
including the League. It makes good reading!

73

Date: Tue, 11 Dec 2001 11:41:23 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [114502] RE: 80 osc/tx
Message-ID: <5.1.0.14.1.200112111111053.00a70600@ipostoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 09:28 AM 12/11/2001 -0500, you wrote:

>So, how is power typically measured? I see references to power, and then
>peak power, or peak to peak power (PEP). RMS power is $V_{rms} \cdot V_{rms} / R$, or
> $0.5 \cdot V_p \cdot V_p / R$, or $0.125 \cdot V_{pp} \cdot V_{pp} / R$, right? So, are most power measurements
>RMS, unless otherwise noted? [Maybe this ought to go under the Elmer 101
>discussions too.]

Shawn,

Unless otherwise specified, power is in RMS. (We're heating the atmosphere,
after all. (Grin)) Peak power isn't usually specified unless you're dealing
with a non-sinusoidal signal, or you're trying to sell stereos.

All the formulas you've given for power are correct. Plugging the 10 Vpp

into the last one gives 0.25 watts ($0.125 * 10 * 10 / 50 = 0.25$).

I have to admit, I've never seen the $(0.5 * V_p * V_p)$ or $(0.125 * V_{pp} * V_{pp})$ methods. I was taught to convert voltage to RMS by multiplying $(V_p * 0.7071)$ or $((V_{pp} / 2) * 0.7071)$

BUT...

Since we're dealing with volts which must be squared, the 0.7071 squared is 0.5 (which will relate V_p squared to watts) and $(0.7071 / 2)$ squared is 0.125, which relates V_{pp} squared to watts.

So it works, no matter which path we followed. Thanks for mentioning this - 0.5 is a lot easier to use in my head than 0.7071 is.

Dave

Dave Hinerman
WD8CIV@worldnet.att.net

Date: Tue, 11 Dec 2001 12:21:24 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <n7dma@mindspring.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [114503] Re: SWR Question
Message-ID: <1011111122124.MAA09445@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/7/01 7:31 PM, Karl Rifenbark at n7dma@mindspring.com wrote:

>When I tune my antenna with my antenna tuner to match
>my FT-840, then switch over to the K1, the antenna tuner needs to be
>readjusted, on some bands quite a lot. They are attached to the same ground
>independantly (not daisy chained). When I check them both with my dummy
>load, they both give a 1:1 reading. What gives?

Perhaps the feedline length isn't the same to both rigs. If you have a complex impedance on the feedline (which your use of a tuner implies), then the feedline will tend to transform that impedance. The effect will be more pronounced on higher bands, since the shorter wavelength will result in more transformation over a given piece of transmission line

(assuming the transmission line length difference is shorter than one wavelength on any band)

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Tue, 11 Dec 2001 12:24:13 EST
From: NB6M@aol.com
To: fxtexth@earthlink.net, QRP-L@lehigh.edu
Subject: [114504] Re: 80 was great from the hotel tonight!!! (longish)
Message-ID: <145.61b656d.29479b3d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hey Trev,

That's really great! I have been listening on 3.686 and calling CQ for a bit just about each evening. Had some more enjoyable QSOs, but nothing any more DX than Don, K5KW, in Fort Gibson, or Dave, W0CH, in Seneca, Missouri.

Have been listening in particular for Eric, NM5M, but so far, no joy.

80 has been very surprising, and with quite low power, too.

Didn't get any action on 80 for a bit last evening, so turned on my SW30+ with the 5 Watt Miniboosts built in, and had a good, solid QSO with Roy, ZS6QU, near Johannesburg. WOW! He said he was very surprised to learn how little power I was running, as my signal was very solid there.

Hope to hear you at the watering hole on 3.686 Mhz.

72

Wayne NB6M

Date: Tue, 11 Dec 2001 12:32:03 EST
From: NB6M@aol.com
To: ed.kwik@delphiauto.com, QRP-L@lehigh.edu
Subject: [114505] Re: MI QRP Net Tonight 9:00 PM Eastern Time 3.535 MHz

Message-ID: <6d.1ee6f976.29479d13@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

OK, Ed,

I'll give a listen and see who I can hear.

Hope to hear you on 3.686.

Wayne NB6M

Date: Tue, 11 Dec 2001 17:32:38
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [114506] Re: SWR Question
Message-ID: <F147tYnHC0G1zXs0oBy00000f8d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Could it be that the output Z of the two rigs is not really the same?
73/72 - Mike WA8BXN

Get your FREE download of MSN Explorer at <http://explorer.msn.com/intl.asp>

Date: Tue, 11 Dec 2001 10:35:32 -0700
From: "Pat Byers" <pbyers@rttinc.com>
To: <nilsbull@juno.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114507] RE: The 40m QRP transceiver in an old HR magazine (maybe)
Message-ID: <GNECLIKFAJLGJPJHIEGOGEGKCGAA.pbyers@rttinc.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Nils,

I have the complete HR CD set so I looked this up.

The article was for a transmitter by Stark WA4MTH and Marians W4LPW It uses 4 transistors in the VFO/Doubler and another 4 in the tx chain. There are no ICs and no mention of a pc board so this might not be the rig you're thinking of. Notable in the design is the use of eight (!!!) ferrite beads in the tx chain. Any simple tx that requires that many ferrite beads for stabilization is mighty suspect, IMHO. Also, the one-pole output l-p filter isn't exactly robust which, I suppose, makes all those beads essential.

If you ever need any of the articles in the HR set, please let me know. I'll be happy to copy them for you.

73,

Pat Byers VE6AAN

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf Of Nils R Young

Sent: December 11, 2001 8:42 AM

To: Low Power Amateur Radio Discussion

Subject: The 40m QRP transceiver in an old HR magazine (maybe)

Gang,

After cruising & surfing & bumping into things & not stabbing myself again with the kitchen syringe, I came across this:

Ham Radio Magazine, December 1976, page 26: 7 MHz QRP transceiver. (Or maybe it was transmitter).

This may be the tiny little box that I remember from long back, having saved my shekels & sent for the board from MFJ back sometime between 1975 (when my oldest was born) and 1980, when we moved out of those particular digs & went to New Carlisle.

Date: Tue, 11 Dec 2001 10:58:00 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>

To: <qrp-l@lehigh.edu>

Subject: [114508] Build the 2N2 40 meter radio!

Message-ID: <Pine.LNX.4.33.0112111054230.5436-100000@localhost.localdomain>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I am building this radio from plans available from the designer
at:

www.qsl.net/k8iqy/

I have begun building just as he suggests. The Manhattan construction is
going real fast.

Looking in old books for designs is fine but your not going to
find the right parts.

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -
<http://www.zianet.com/k5di/>

Date: Tue, 11 Dec 2001 10:08:14 -0800
From: Bob Welch <p326@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [114509] Equipment for sale
Message-ID: <3C164B8E.89214F61@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The Bay Pac BP-2m has been sold

Date: Tue, 11 Dec 2001 13:09:13 -0500
From: <n7dma@mindspring.com>
To: qrp-l@lehigh.edu
Subject: [114510] Re: SWR Question
Message-ID: <Springmail.105.1008094153.0.019708000@www.springmail.com>

The setup between the rigs is the same. When I originally discovered the
differences in measured SWR between the FT-840 and the K1, I had different patch
cables (made a new one for the K1, BNC to PL-259), but for the sake of
experimentation, I switched to the same cable for both rigs, with the exception of
an adapter to match a PL-259 to BNC, same path to the antenna.

I use an MFJ-971 antenna tuner, feeding a random wire antenna. I also tried with a Rat Shack SWR meter, and an MFJ-16040 (I think that's the #), and observed similar results. So, all things were equal. Keep in mind, I'm talking about 1:1 with the FT-840, and 1.5:1 with the Elecraft, pretty much following that trend on 40, 30, 20, and 15 meters. Also notice similar results with my Iso-20. Not much to worry about, just a curiosity.

As was pointed out to me, what I may be seeing is the result of differing levels of spurious emissions from the two rigs; just a difference of the spectral purity and output networks between the rigs. Even if they meet regs, I guess all transmitters have a little noise on the outputs. Sounds reasonable to me. How 'bout y'all?

72/73,
Karl
N7DMA

Date: Tue, 11 Dec 2001 12:32:31 -0600
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [114511] Reminder: AGOT, Your 12/11 Cub Fox
Message-ID: <200112111832.AA00342@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Calling all hounds... Calling all hounds...

From the frozen white prairies of North Dakota, AGOT will rouse from his comfy den to sally forth as your Cub Fox Tuesday night, 12/11, starting at 8:00PM CST (0200Z 12/12 GMT, 9:00PM EST, 7:00PM MST, 6:00PM PST). I shall occupy the field around 7.055 MHz (+/- QRM), and will be working up 1-2+ KHz at the start of the evening's festivities. My exchange will resemble the following:

N1XYZ 559 ND TODD 4W N1XYZ <BK>

If I copy your info OK, I'll send "TU" or "TU DE AGOT FOX", depending on how big the pile is. If I need a fill, I'll send RPT/SPC/NAME/PWR ? <BK>, or "N1XYZ AGN ? <BK>" if I missed the whole shebang. PLEASE NOTE: The *ONLY* time I'll be sending anything with "?" is if I'm asking for a fill. PLEASE DON'T ALL JUMP IN AT ONCE IF I SEND "?". :-)

I'm going to do my level best to thin the pile early. If you don't

have RIT or are not equipped to work split, try to spot yourself on the high side of my TX as far as you can, and still be able to copy me. I won't work any closer to my TX than about 1 KHz until I can thin out the pack. If you can't spot yourself that far away, please be patient, and let me clear the pile. When things die down, I *will* work closer to my TX, traffic permitting, as I want to give everyone a chance at a pelt. Sit back and listen for me to start working closer to my TX. If things slow to a crawl later in the hunt, and I'm calling CQ FOX to drum up business, I'll take you wherever you are, but if business picks up, I'll start working up 1+ KHz again.

I'll be running 4W to a Butternut HF-2V vertical from a homebrew TX. A vintage R-390A will handle the RX duties. I can (and will) work up from my TX as far as I need to, so please spread out. :-) I'll be sending around 10-15 WPM, but will be happy to slow down for anyone that needs me to. Just call at a speed you're comfortable with, and I'll do my best to match it.

So, come one, come all, and get yourself a nice fox pelt to keep yourself warm on a cold winter night! :-)

72/73,

Todd, AG0T

Date: Tue, 11 Dec 2001 13:45:43 -0500 (EST)
From: Chris Cartwright <ccart@phideaux.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [114512] Re: SWR Question
Message-ID: <Pine.LNX.4.21.0112111329440.23282-1000000@dns.phideaux.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 11 Dec 2001 n7dma@mindspring.com wrote:

> As was pointed out to me, what I may be seeing is the result of
> differing levels of spurious emissions from the two rigs;

I've noticed the same thing between the MFJ-259 and OHR WM-1. I set the tuner up with the 259, then when the WM-1 is in line I have a bit of reflected power that requires a touch up of the tuner. I just attributed it to the display on the 259 not being exact. Although, the 259 does seem to line up within about 1Khz of my other counter, and RX's. So it's probably a combination of purity and a slightly different output impedance between the gear.

Now if the 259 is expecting a 48 ohm impedance and the WM1 is at 53, overall this would be a 10% variance from the 50 ohms expected. Would

that affect the SWR reading by 10%? Or is it more of a log scale thing, and not that simple?

```
-- Chris Cartwright,   Unix Administrator |      ccart@phideaux.com      --  
-- N3XRV      ARRL-VE   Norcal Zombie #163 |   Oxford, PA 19363 FM29as   --  
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Tue, 11 Dec 2001 12:17:55 -0700
From: Doug <doug@ycsi.net>
To: hoglund@wfu.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [114513] Re: Spark Gap
Message-ID: <3C165BE2.77C55C2A@ycsi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Boy, when I was about 14 years old and lived in Seattle, I found one of those radio books in the library that showed how to build an "Amateur Transmitter". Me, being of young age and figured I could put it all together, a buddy of mine and I set out on this quest. Man o' Man, it worked! Scary, but it did. 'First time we keyed it up, the flash scared us and we both jumped back in amazement.

We did just fine until we hooked this monster up to a makeshift antenna in the back yard. Didn't take long, and we were "popular fellows" with some of the locals. The grey haired pair that showed up on my folk's front steps both laughed hard and showed us the last print date in that book.....1932!

Oh well, lesson learned. I graduated to ARC-5's with the help of one of the hams and off into my novice ticket.

73 all

Doug, K7YD
Livingston, MT

Kenneth Hoglund wrote:

```
> Some years' back the kids and I toured ARRL HQ, and saw a working  
> reproduction of a spark gap transmitter in the entry hall of W1AW. I  
> innocently asked if it had ever been fired up. The person guiding us  
> around rolled his eyes and said a couple years' earlier the staff tried
```

> it out: Brought down the mainframe! Talk about broadband emissions.
>
> I imagine we'll be able to hear the gap transmission in a number of
> modes.
>
> 73
> Ken KG4FGC

Date: Tue, 11 Dec 2001 14:54:16 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <n7dma@mindspring.com>, "QRP" <qrp-1@Lehigh.EDU>
Subject: [114514] Re: SWR Question
Message-ID: <1011111145417.0AA24079@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/11/01 1:09 PM, n7dma@mindspring.com at n7dma@mindspring.com wrote:

>As was pointed out to me, what I may be seeing is the result of differing
>levels of spurious emissions from the two rigs; just a difference of the
>spectral purity and output networks between the rigs. Even if they meet
>regs, I guess all transmitters have a little noise on the outputs. Sounds
>reasonable to me. How 'bout y'all?

Nope. The out-of-band spectral products ought to be perhaps 1 in 100 of
the output of the signal. It shouldn't be possible to move the SWR from
1:1 to 1.5:1 on that alone.

Question: are you running your FT-840 at 100 watts, and the K1 and a
couple of watts?

What sort of SWR readings do you get on each at the same power levels?

It could be that your SWR bridge gets inaccurate and high or low power
levels.

What kind of SWR bridge is it? The old monimatch-type can give really
poor results.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Tue, 11 Dec 2001 19:58:35 -0000
From: "John Fletcher" <johnf@innotts.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [114515] My TS120V problem
Message-ID: <019701c1827f\$98ccca60\$092138d4@daisy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello all,

Reading about the cure for the TS120S problem, I thought I could fix mine too.

I have a TS120V which shows the same fault on all four segments of the 10m band. On SSB, or on CW with the drive turned down to zero, it puts out 6W all the time. On CW, if I bring the drive up slowly, it dips slightly before rising

to the expected 10W. I tried loosening and tightening the screws as described

but it didn't cure the fault, however, it doesn't happen at all with the top cover

removed. Lowering the cover back into place, the fault appears when the back of the cover is open an inch or so and rises from about 4W at first to 6W when

the cover is fully closed. Screwing the cover down, or linking a bare metal part

to the rest of the case with a wire, has no effect. I haven't checked the spectrum

of the spurious output - I'll do that next. It sounds like a different fault from Joe's.

Any suggestions gratefully accepted. When I've sorted this one I'll think about

the fault on my other 120V...

73 all,

John G4EDX

Date: Tue, 11 Dec 2001 15:18:45 -0500
From: Bill Coleman <aa4lr@arrl.net>

To: <w2agn@pobox.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114516] Re: The REAL virus
Message-ID: <1011111151845.PAA28203@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 11/29/01 1:01 PM, W2AGN at w2agn@pobox.com wrote:

>Interestingly, the FAA just a few years ago got sold some software for a
>Weather Station, that used CP/M. (Another rip-off) No one in the FAA
>Maintenance side knew anything about CP/M, so I got to set it up.

It just goes to show how long the FAA procurement procedures are....

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: 11 Dec 2001 12:19:51 -0800
From: W2BJ <w2bj@minsky.info>
To: qrp-l@lehigh.edu
Subject: [114517] WANTED - SIERRA MODULES
Message-ID: <20011211201951.3414.cpmata@c001.snv.cp.net>
Content-Type: text/plain
Content-Disposition: inline
Mime-Version: 1.0

I am looking for Sierra band modules for the 160, 80, 15, and 12 meter bands. If you have any and would like to sell them, please contact me. Thanks.

72/73, Barry J. Minsky, W2BJ ARRL, QRP ARCI #8871,
NorCal #1560, QRP-L, FISTS #2701, Century Club
#569, Platinum #51, Silver #119, FISTS CW Club of
Coastal Georgia, Knightlites, Adventure Radio
Society #359, QCWA #29298, OOTC #3723, SOC #193,
K2 #577, K1 #98

Date: Tue, 11 Dec 2001 15:53:15 -0500

From: Bruce Muscolino <w6toy@erols.com>
To: pbyers@rttinc.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [114518] Re: The 40m QRP transceiver in an old HR magazine (maybe)
Message-ID: <3C16723B.A11B04D4@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Pat,

>

> thinking of. Notable in the design is the use of eight (!!!) ferrite beads
> in the tx chain. Any simple tx that requires that many ferrite beads for
> stabilization is mighty suspect, IMHO. Also, the one-pole output l-p filter
> isn't exactly robust which, I suppose, makes all those beads essential.

>

Please remember that you are looking at an older design! Rules and regulations change over time. The amount of output filtering is also a problem with the original Tuna Tun 2!

Ferrite beads act to reduce VHF spurious signals. They can be over used if the designer is not familiar with them or, as I presume is the case here, the design is relatively early in the design cycle!

73

Date: Tue, 11 Dec 2001 15:59:33 -0500
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [114519] Dream Catcher antenna
Message-ID: <3.0.6.32.20011211155933.00793660@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just had a SSB QSO on 80M with Seab, AA1MY with a new antenna I made last night. The whole antenna is sitting on a counter top in my shop! I emailed Seab last night to set up the test, and he said "okay, but that antenna sounds like a real dream catcher to me!"

Basicly, it's a W3EDP with the 85 feet of wire spiral wound on a 1" PVC "cross" Currently, the arms are about 1 1/2 feet long, for a total 3 foot spread. Wire is spaced 1/2", using #4, 1/2" wood screws as little posts along the arm to spiral the wire around. The end of the wire starts at the outside, and spirals in. A standard tank circuit connects to the wire on

the inside of the spiral, the 17 foot counter pose is connected the ground end of the tank, power is coupled in with a one turn link on the tank coil, and there you go.

This idea is not mine, I saw it in an issue of *73* a few years back. It was written by I believe a G2 or G3 and been meaning to try it ever since. Wish I could find the article, to give proper credit, but can't put my hands on it at the moment. He used wooden spreaders and terminal blocks to space the wire, but the concept is the same, just the manner in which it's build is different.

Well, although the path between Seab and myself isn't long.. about 25 miles with some hills between us, and we were using a little more than qrp power levels, it does prove this compact version of the W3EDP does work. Of course, it should also work on 40 and 20, just like a regular W3EDP.

Next step is to run out and get some more 1" PVC pipe and rebuild this somewhat crude test version. I want to try to make the arms a little longer (2 feet) and space the wire at least 1". Also want to make a remote tuned variable cap, so can put the whole thing outside, where it is bound to work better. Hey, maybe I can finally put my Wabler on the air :-)

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Tue, 11 Dec 2001 16:48:57 EST
From: NV9Z@aol.com
To: qrp-l@lehigh.edu
Subject: [114520] Re: FINAL PRICE REDUCTION!! MFJ QRP Rigs
Message-ID: <70.146b316b.2947d949@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi QRPers!

The MFJ 9020 is spoken for. I still have the 9040 with keyer and cw filter modules available for \$130.00.

Please contact me off list at NV9Z@aol.com.

Thanks 73/72 de Chris NV9Z QRP-L #2370

Date: Tue, 11 Dec 2001 17:28:38 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: <mmorrow@companet.net>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [114521] Re: Vintage QRP
Message-ID: <1011111172838.RAA10300@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 12/9/01 11:17 AM, Mike at mmorrow@companet.net wrote:

>The 5763 is readily
>available, mostly as military surplus and is thus a very inexpensive
>high-quality tube.

Really?

I remember trying to find one in my Novice days to build a 5763/6146
MOPA-type CW transmitter.

While 6146's were readily available, I struggled to find a price quote
for the 5763. Eventually, I found one quote for well over \$100.

Ouch!

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Tue, 11 Dec 2001 17:35:04 -0500
From: "Rex Harper" <w1rex@megalink.net>
To: <QRP-L@lehigh.edu>
Subject: [114522] 3C24 Glowbug rig
Message-ID: <001501c18294\$14c96c40\$0200a8c0@rex>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gangue d'QRP,

I recieved a query on the 3C24 from Bruce:

From: "Bruce Muscolino" <w6toy@erols.com>
To: <w1rex@megalink.net>
Sent: Tuesday, December 11, 2001 8:16 AM
Subject: Re: HB: antique tubes....reformatted

> Rex,
>
> Prices aside, would you really consider a 3C24 to be a QRP tube? I have
> never used one, nut my recollection is that it was some sort of VHF
> power amplifier. Also, doesn't the socket price say it is a special
> tube?
>
> 73

He raises some good questions so I thought I would send the response to the list.

The 3C24 is a transmitting triode with a max output power of 100W at an operating frequency of up to 60 Mc. Examples from P.H. Bran's Vade-Mecum 1965-1967 shows a couple of examples of it used as an HF transmitter in the 3 to 4 W range. Although I am far from a tube 'expert', I class it as a QRP tube when I see a well renown QRPer write it up in a 2 part how-to on using it as a 1 tube QRP transmitter. One could use a metal 6L6 or equivalent (I have a lifetime supply) or a 6AK5 or 6AQ5 or 6AU6 rig (I have collected a big batch of those too), but have you all seen the article in CQ. This tube is neat with the socket on the bottom, plate connection on the top and the grid connection shooting out the side. A lot sexier than a metal 6L6 or a 6AK5 etc. One does not have to use a ceramic socket when run in a QRP mode; but, it is easier to mount and hook up too and it adds to the sexiness IMHO. I did not know I even had these tubes in my JBT (Junque Box Trailer) until I took a bunch of tubes to a 'fest to raise some bucks for my new shop. Just thought I would spread them around to anybody who might be interested.

I suppose one could just hit it with the filament voltage and use it for a QRP nightlight but it would be a waste.....

72

W1REX Rex Harper "The Tinman"

P.S. I just had to go back to Wallyworld and pick up the dual measuring tapes in a gift tin (see previous Tin(s) the Season post). The tin is a sleek beauty and will be the base for my 3C24 rig. My wife and 3 year old daughter will find a nice shinny measuring tape in their Xmas stockings.

Date: Tue, 11 Dec 2001 17:40:18 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: "QFOX@egroups.com" <QFOX@egroups.com>,
QRP Canada <qrp-canada@neale.gpfn.sk.ca>,
Subject: [114523] Thursday Night Fox:VE3FAL
Message-ID: <3C168B52.6FE63A6C@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is the first reminder to all that VE3FAL in Thunder Bay, Ontario will be one of your foxiis for his first hunt of the season. I worked as a Cub Fox last season so this will be a thrill for me to be on the receiving end of all that fantastic QRP QRM that we make. I will be on or around 7.039 and listening down. Running Yaesu FT 817 @ 5 watts into a 40 meter dipole. Good luck to all and may the RF Gods be with us.

Fred
VE3FAL

Date: Tue, 11 Dec 2001 17:42:22 -0500
From: Bill Coleman <aa4lr@arrl.net>
To: "QRP" <qrp-1@Lehigh.EDU>
Subject: [114524] RE: Vintage QRP
Message-ID: <1011111174222.RAA11186@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Back when I was a pre-Novice, a fellow ham tried to convince me to build my first transmitter. He even gave me some parts. I worked on this a while, but my 6DQ6 final tube kept arcing over internally. Besides, this was a crystal-controlled design, and I really wanted something with a VFO. (when I was licensed in 1975, Novices could use VFOs)

I eventually purchased a used Heath SB-301, and later a used SB-401 and was one the air.

In the summer and winter break of 1979, I spent considerable time trying to build a solid-state QRP rig for 40m. I built a pretty stable VFO (something I had not been able to do previously). The transmitter stages were class C, using a rather non-critical design I was trying to copy from

a magazine article. I eventually got it to work into a dummy load, but I wasn't happy with the power output (probably 800 mW, I was expecting 5 watts), and the spectral purity worried me. When I tried to tune the output stage, it would often break into oscillation.

The receiver was a direct-conversion design take from a different magazine article. I never could get a peep out of it. I suspect it had something to do with the way I was biasing the op-amp stages.

The other piece of the transceiver was the T-R switching and K0X (key operated switch). The K0X was a circuit taken from ANOTHER magazine article, and it worked great. As did the UJT sidetone oscillator. It was part of the original 40m Novice transmitter.

I had hoped to use this rig in my dorm room at college, but I ran out of time to make it work. I had sold the SB-401, but I still had the SB-301.

At some point, I tried to merge the Novice Transmitter and the solid state VFO. I also converted the final stage to a 6146. I don't think I was ever happy with the results -- I think the power supply wasn't up to it, and I couldn't get enough drive.

After college, my brother had loaned me a DX-60. I still had the SB-301, and the other collections of parts. I pulled the VFO and the K0X with sidetone, and built it all into "box" that joined the DX-60 and the SB-301. Despite being seriously antenna challenged, I actually managed to make a few contacts with this monstrosity.

The SB-301 and DX-60 have since parted company, but I still have the "box" and my Novice transmitter. Oh, and my brother loaned me his HR-1680 (which is deaf as a post...). Hmm, maybe there's a winter project here....

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Tue, 11 Dec 2001 17:55:46 -0500
From: "Tom Pennebaker" <n4rs@netpath-rc.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Message-ID: <004601c18296\$f9847f80\$d22a1bce@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I thought I had seen it all....Someone tell me it ain't so.....

<http://cgi.ebay.com/aw-cgi/eBayISAPI.dll?ViewItem&item=1305131228>

Date: Tue, 11 Dec 2001 16:57:20 -0600
From: "Rob Matherly" <kc0bom@arrl.net>
To: <w1rex@megalink.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [114526] Re: 3C24 Glowbug rig
Message-ID: <01ad01c18297\$355f5fc0\$7b11a541@intern01>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

They had an article in CQ a while back featuring a 5 watt transmitter using a 3C24 tube. The author said it could go up to 30w, but you should keep it at 5 for "longer tube life". I'd probably rig something up so you could have a .100 to 30 power level myself for when the condx are rough :^)

72/73/oo
Rob, kc0bom
ARRL; FP Qrp -330; Live-Wire #442; IA QRP #143; SOC #497; QRPP-I #19

Visit my website! <http://www.qsl.net/kc0bom/hamradio>

AIM - kc0bom, jimrob4 MSN - jimrob@jetnetinc.net

----- Original Message -----
From: Rex Harper <w1rex@megalink.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Tuesday, December 11, 2001 4:35 PM
Subject: 3C24 Glowbug rig

Gangue d'QRP,

I recieved a query on the 3C24 from Bruce:

From: "Bruce Muscolino" <w6toy@erols.com>
To: <w1rex@megalink.net>
Sent: Tuesday, December 11, 2001 8:16 AM

Subject: Re: HB: antique tubes....reformatted

> Rex,
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Date: Tue, 11 Dec 2001 17:03:57 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-l@Lehigh.EDU, George Baker <w5yr@att.net>,
Lew Paceley <lew@paceley.com>,
Subject: [114527] NETXQRP Club Meeting
Message-ID: <3.0.2.32.20011211170357.00838b30@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRPLers,

The next meeting of the NETXQRP Club will be held this coming Saturday.
Interested folks are invited to attend.

Saturday
December 15, 2001
1:00 to 3:00 PM (or so)

John Y Miguel's Cafe (Tex/Mex & 'merican)
104 State Highway 205
Terrell, TX
Phone: (972) 524-1447

Directions:
Miguel's is on the west side of Terrell. It is on 205 north, near the intersection of I-80, 205, and 148. 205 goes north from I-80 toward Rockwall and 148 goes south back across I-20. Go north on 205 about 1/4 mile and it's on the right. Big place, hard to miss. It's just past a Kuick Kar lube-and-tune place and across the road is a Walmart plaza.

If you have a favorite QRP something you'd like to bring along, please do. Weather permitting we may try some portable operation either behind the restaurant or at a local park in Terrell. Come join the fun!

For more NETXQRP Club info check our website: <http://www.netxqrp.org/>

Chuck Carpenter, W5USJ, Point, Rains Co., TX - EM22cv, NETXQRP #1
QRP-ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275
Zombie #759, QRPP-I #115, Visit NETXQRP Web Site: <http://www.netxqrp.org>

Date: Tue, 11 Dec 2001 18:24:36 -0500
From: "Dennis Brickey" <n4dd@preferred.com>
To: <qrp-l@Lehigh.EDU>
Subject: [114528] FOX: N4DD FOX ADVISORY

Message-ID: <002501c1829b\$0306bec0\$63f3e4ce@computer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Good Evening Hounds,

Please be advised that I will be one of your prized pelts on Thursday
12/13/01 at 9:00 pm
Eastern time. That is 12/14/01 0200 UTC. You ravenous carnivores may
assault my pelt
at 7.041 MHZ (plus or minus qrm) and working upward. I will begin listening
at 7.042
and adjust up as necessary. I tend to move often so don't be discouraged.
I'll find you!
I will be running a Tentec Omni VI Plus at 5 watts to a 40 meter extended
double zepp.
My exchange will be as follows: Hound Callsign RST TN Dennis 5W Hound
Callsign.
Thanks in advance for this opportunity to serve as your Thursday evening
Prey. I
consider it an honor. Let the fur fly!!!

Very Best Regards!

Dennis / N4DD

Date: Tue, 11 Dec 2001 15:34:55 -0800
From: Bob Welch <p326@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [114529] Equipment for sale
Message-ID: <3C16981F.267F8E6E@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Remove Mirage b-310-g from list. I traded it with N0JVT

End of QRP-L Digest 2402
